



Spring 2024 Seasonal Summary

June 16, 2024
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A Warm Spring

Spring 2024 was one of our warmest springs on record. This warmth contributed to a significant lack of snow and widespread severe weather. The most significant severe weather outbreaks during the season were:

- [March 14](#): An EF-2 tornado crossed the Ohio River three times as it traveled across two states, three counties, and two NWS office areas of responsibility from Hanover, Indiana through Milton, Kentucky to just east of Carrollton, Kentucky.
- [April 2](#): The day before the 50th anniversary of the 1974 Super Outbreak, two waves of storms brought ten tornadoes to the region, including two EF-2 twisters. We had another tornado cross the Ohio River as one of the EF-2's moved from west of Utica, Indiana to east of Prospect, Kentucky.
- [May 26-27](#): Another event with two rounds of storms. Round #1 brought extensive tree damage, two tornadoes, and very heavy rainfall which resulted in river flooding. Round #2 brought more tree damage and another six tornadoes to central Kentucky.



Damage in Warren County from an EF-1 tornado on May 26





Averages, Departures, & Records

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Station Values

| | Average Temperature | Departure from Normal | Precipitation | Departure from Normal | Snow | Departure from Normal |
|-------------------|---------------------|-----------------------|---------------|-----------------------|------|-----------------------|
| Bowling Green | 62.4° | +3.7° | 14.31" | -0.07" | 0 | -1.5" |
| Frankfort | 59.1° | +3.0° | 13.92" | -0.45" | | |
| Lexington | 60.0° | +4.2° | 13.69" | -0.65" | T | -3.0" |
| Louisville Ali | 62.4° | +3.8° | 13.31" | -1.27" | T | -2.2" |
| Louisville Bowman | 59.7° | +2.1° | 14.32" | +0.10" | | |

Records

- 3rd warmest spring on record at Bowling Green
- 5th warmest spring on record at Frankfort
- 2nd warmest spring on record at Lexington and Louisville

Source: [NWS Louisville Climate](#)

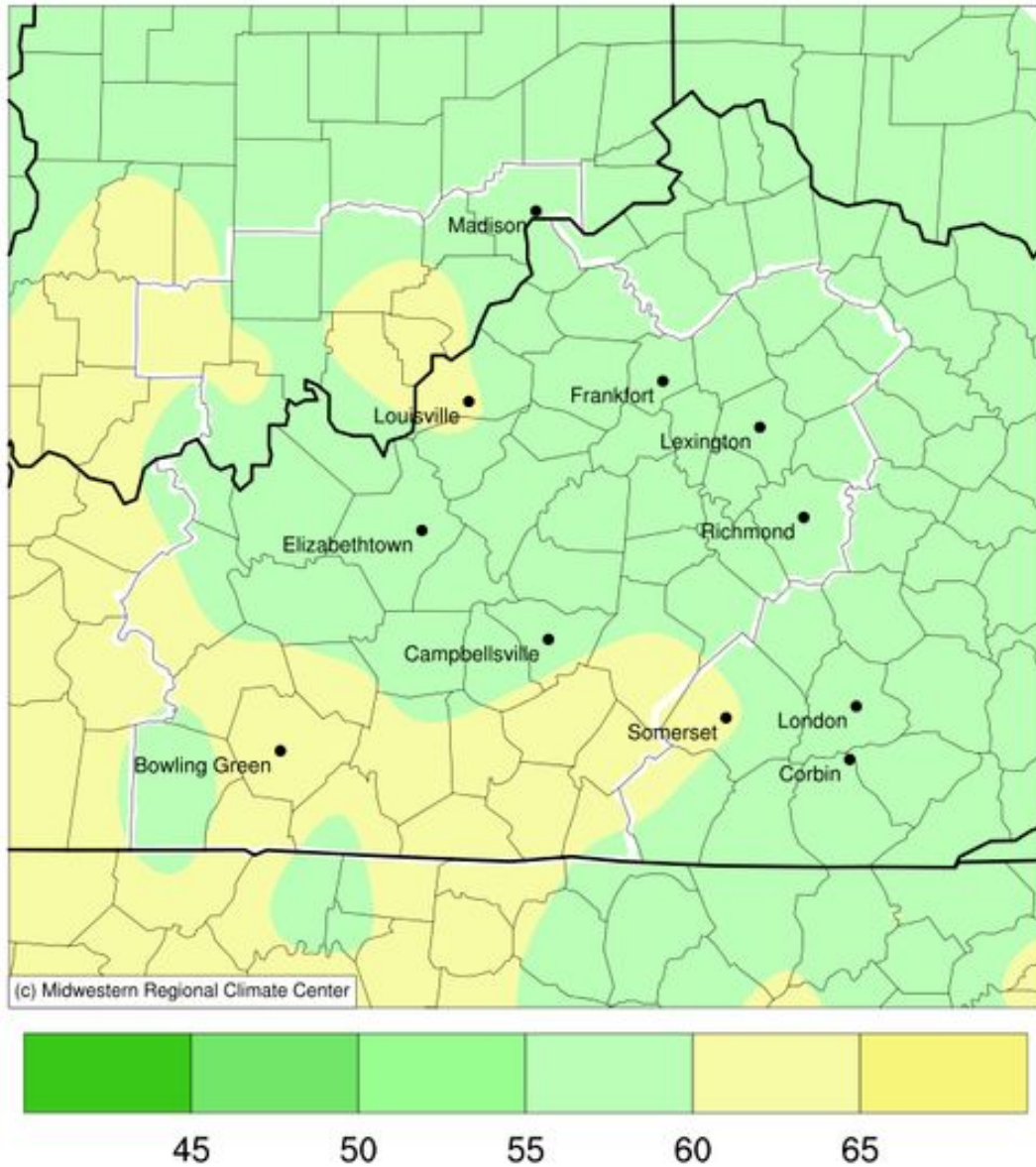




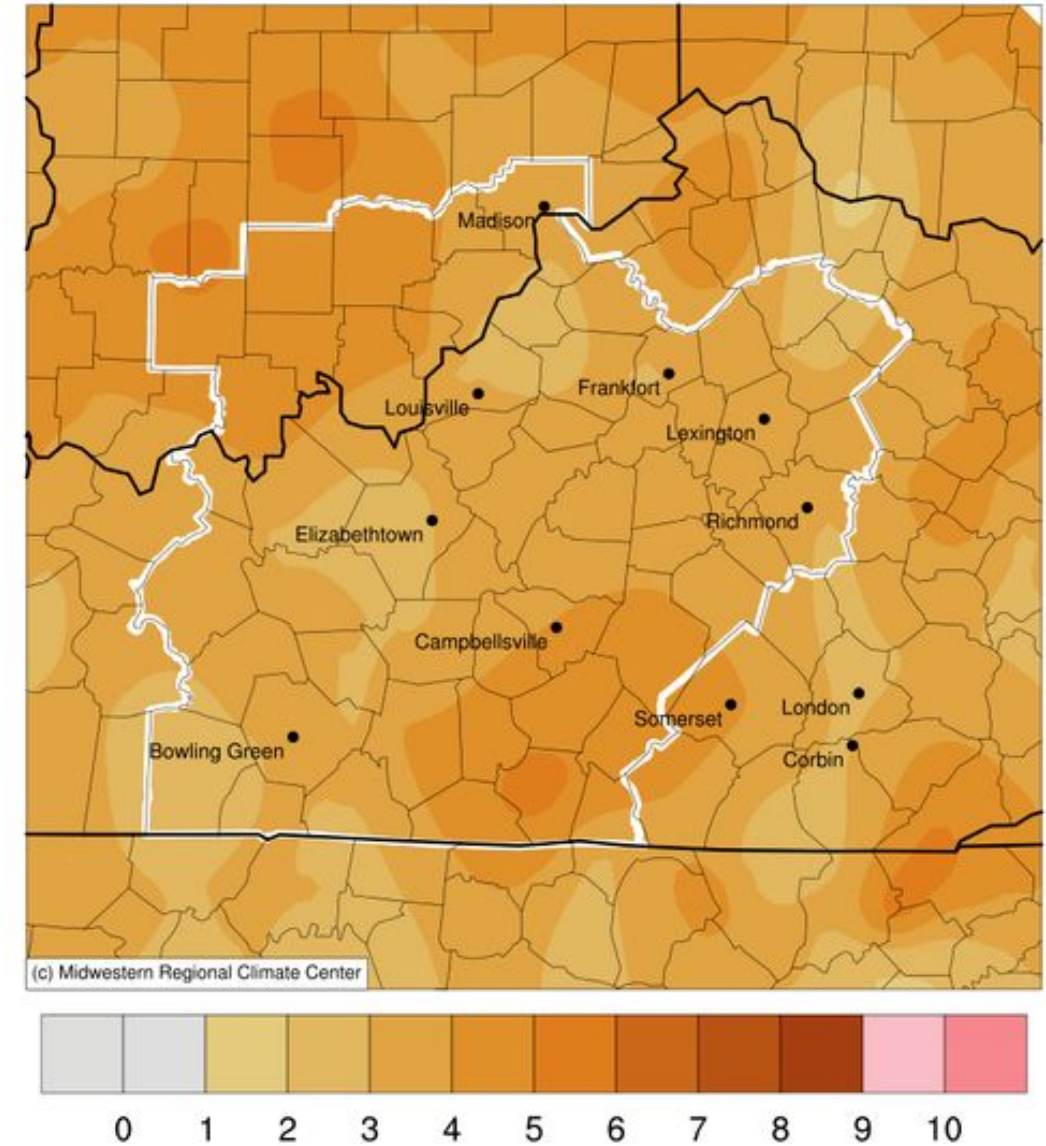
Temperature Maps

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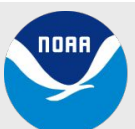
Average Temperature (°F)
March 01, 2024 to May 31, 2024



Average Temperature (°F): Departure from 1991-2020 Normals
March 01, 2024 to May 31, 2024



Source: [MRCC](#)

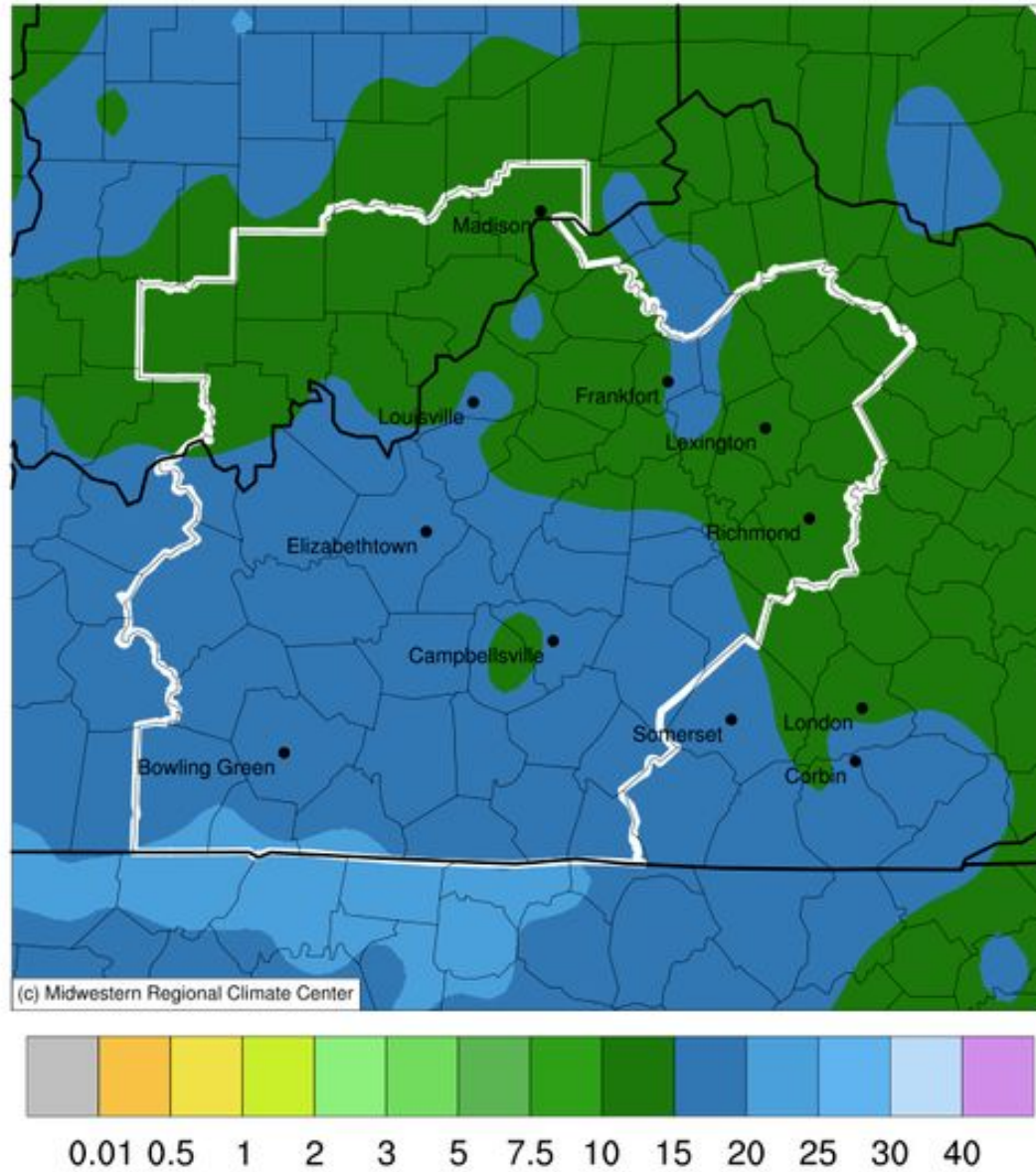




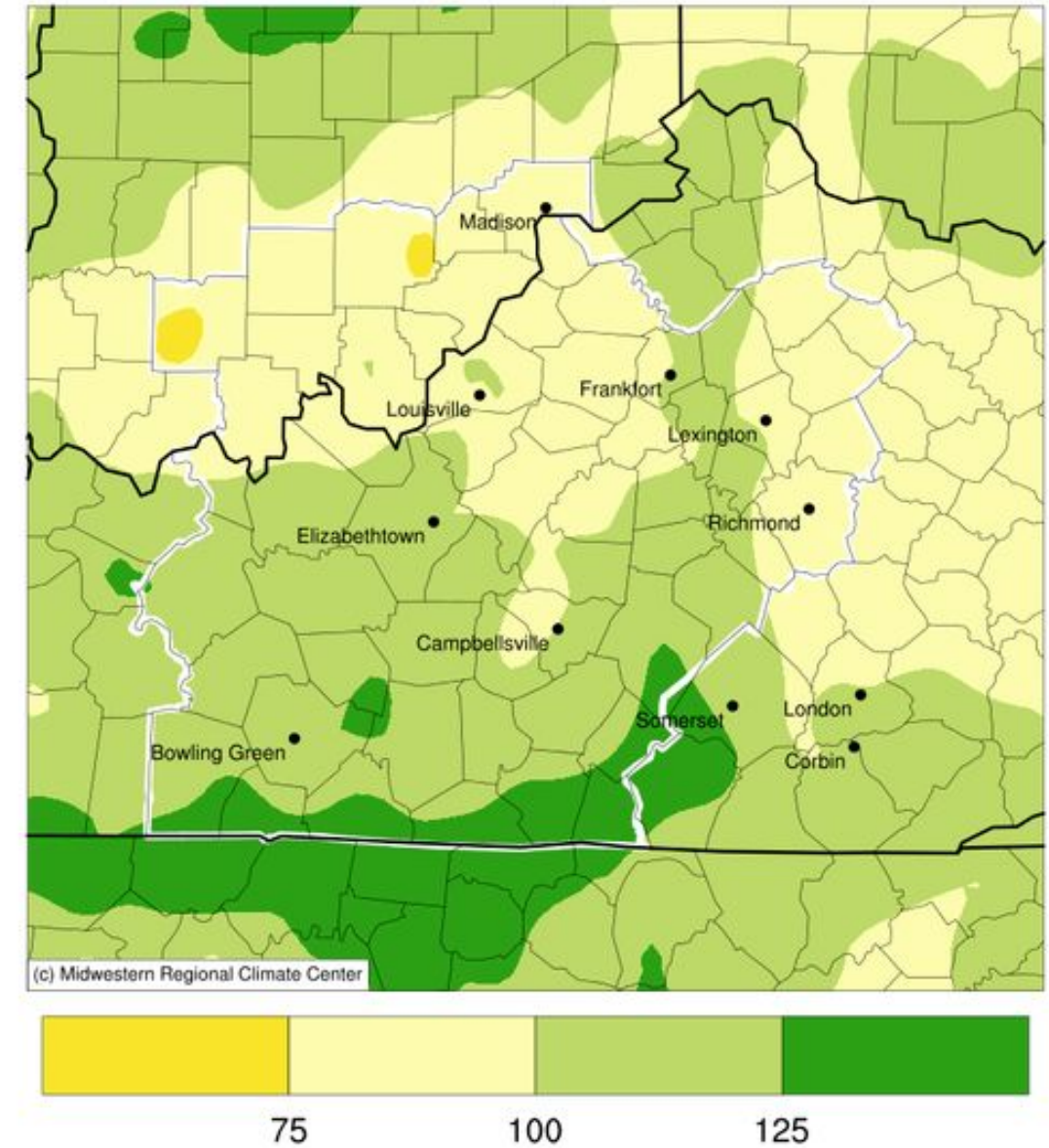
Precipitation Maps

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Accumulated Precipitation (in)
March 01, 2024 to May 31, 2024



Accumulated Precipitation (in): Percent of 1991-2020 Normals
March 01, 2024 to May 31, 2024



Source: [MRCC](#)

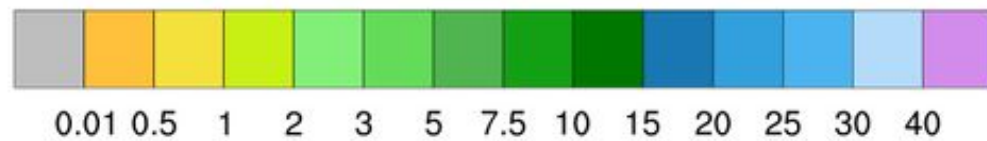
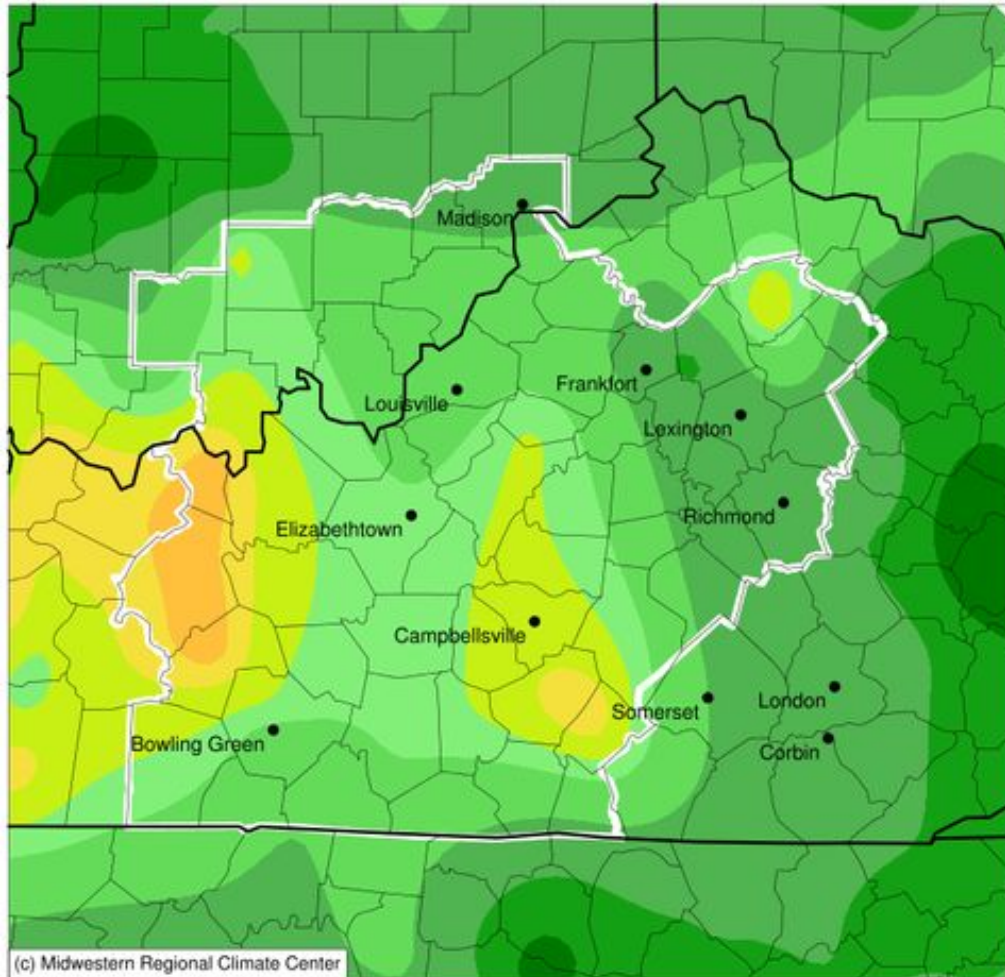




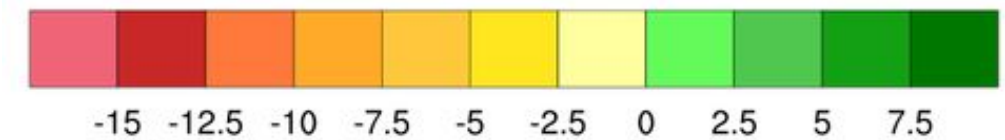
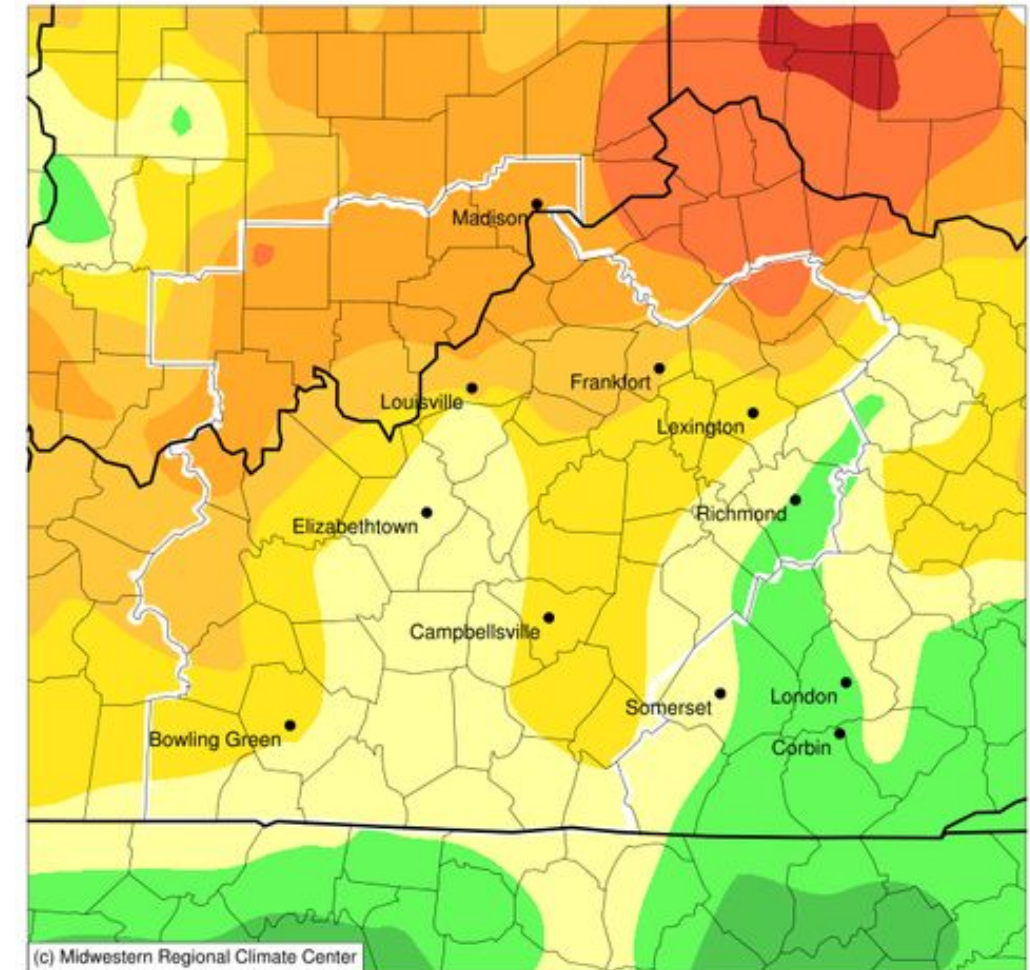
Snowfall Maps

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Accumulated Snowfall (in)
December 01, 2023 to February 29, 2024



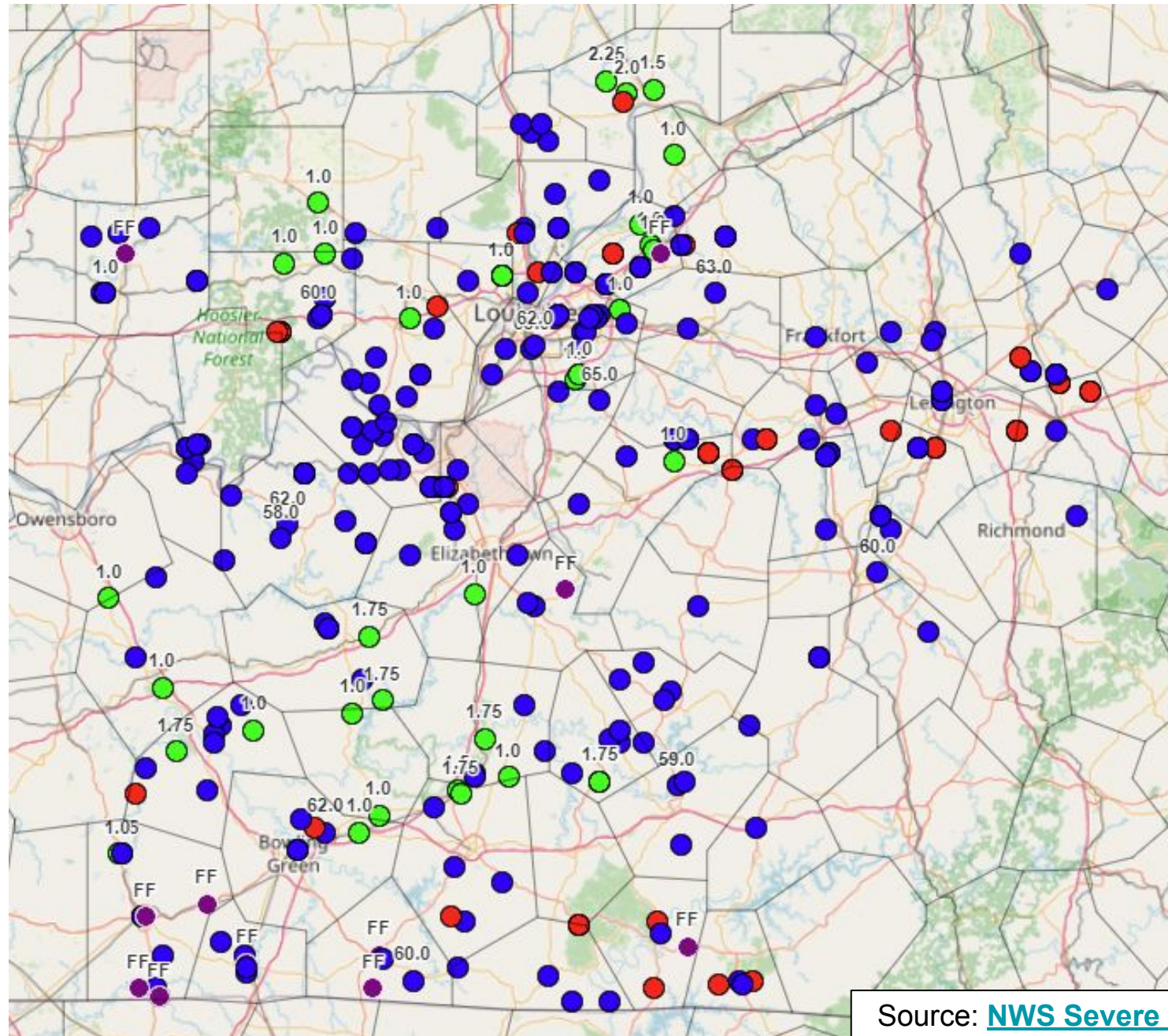
Accumulated Snowfall (in): Departure from 1991-2020 Normals
December 01, 2023 to February 29, 2024



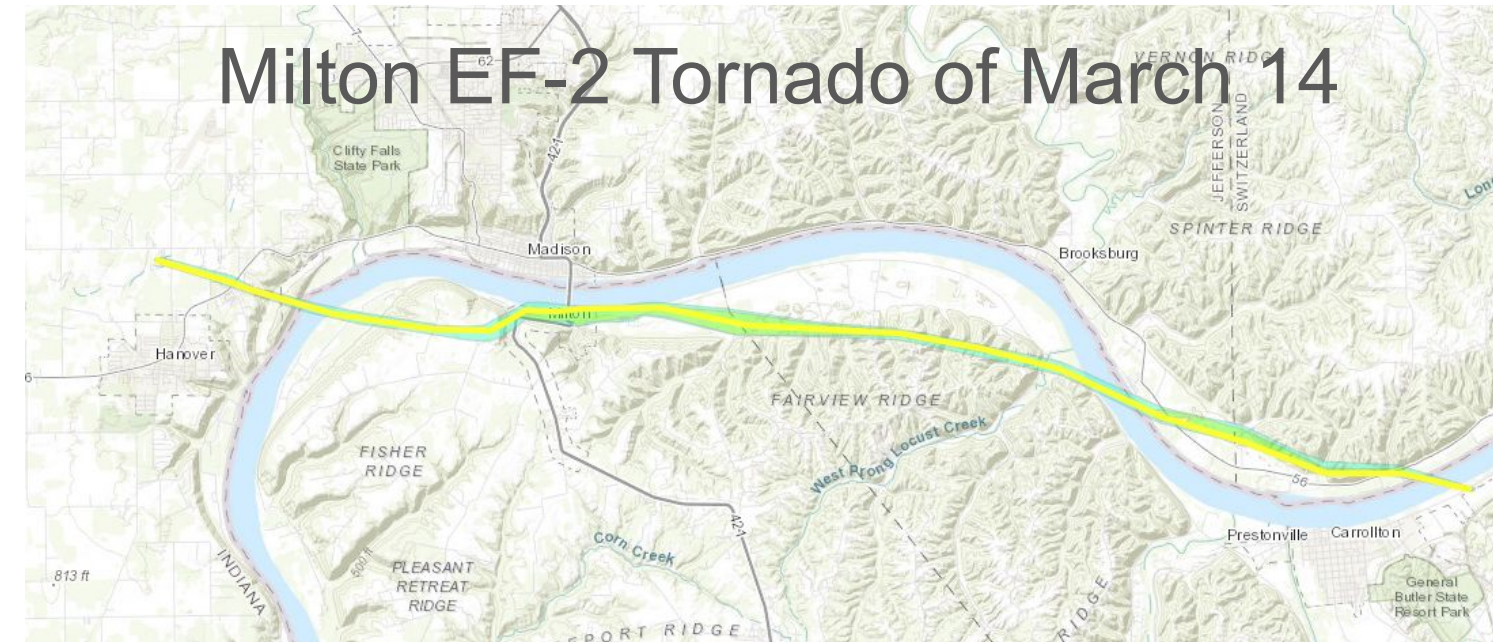
Source: [MRCC](#)



March 1 - May 31



Suggestion: Could give brief description or information (day of occurrence and time) of the most impactful reports.

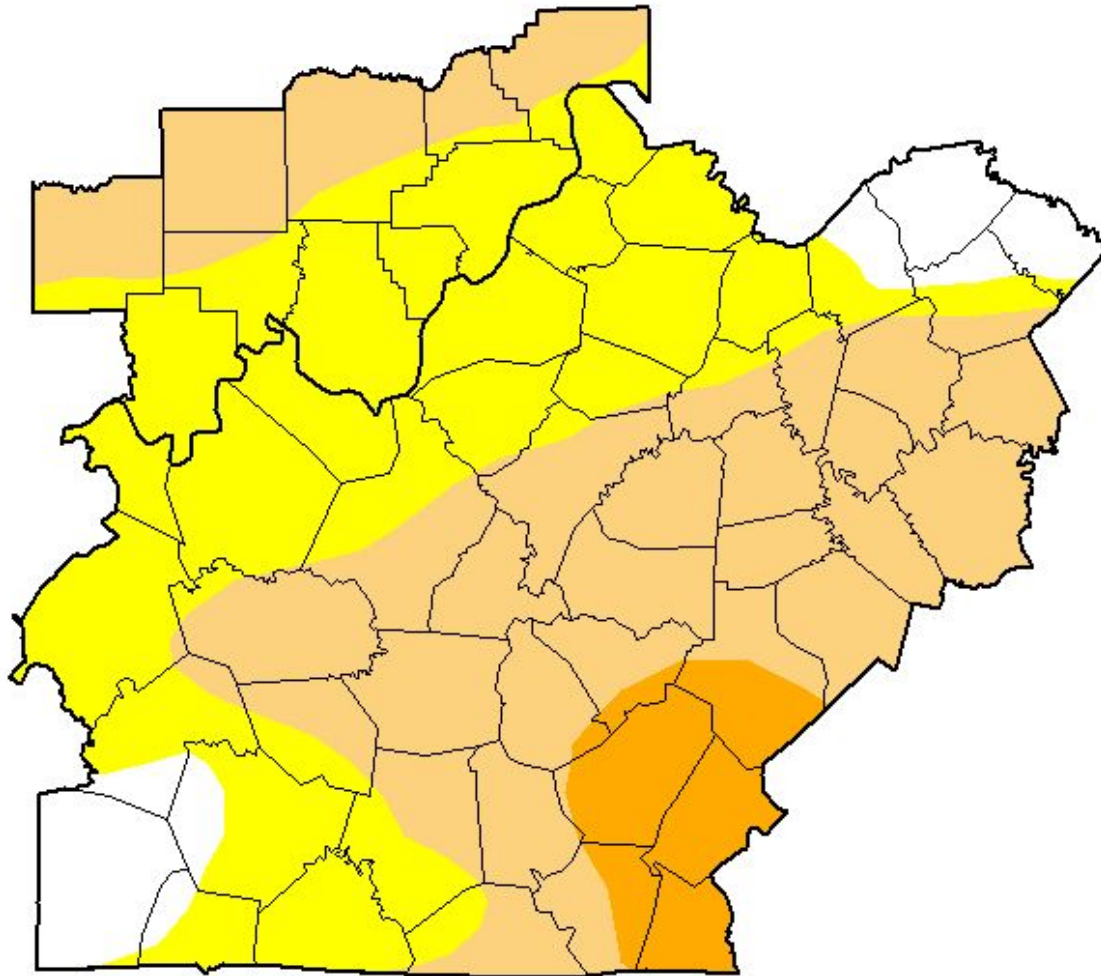


● Wind ● Hail ● Tornado ● Flash Flood

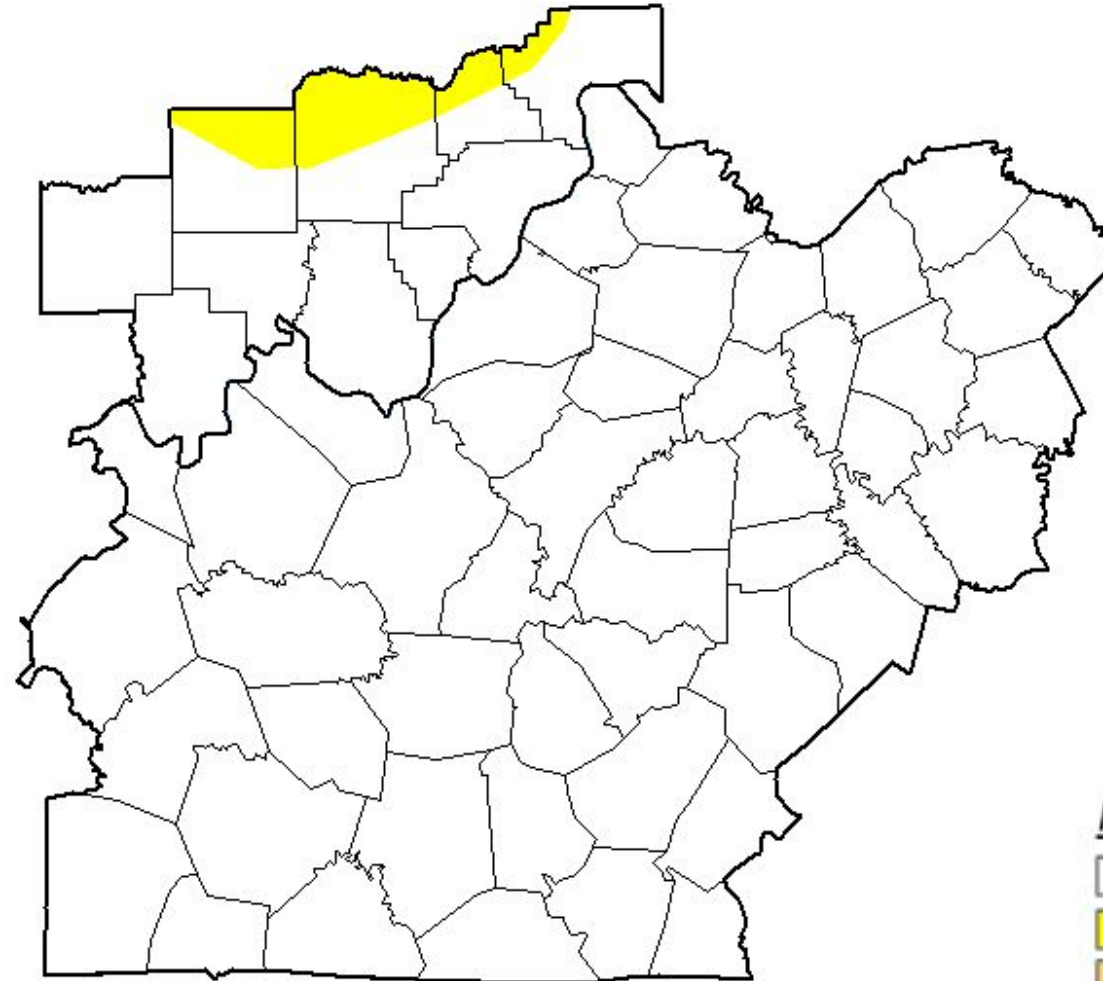


U.S. Drought Monitor Maps

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




December 5, 2023



February 27, 2024

Intensity:

-  None
-  D0 Abnormally Dry
-  D1 Moderate Drought
-  D2 Severe Drought
-  D3 Extreme Drought
-  D4 Exceptional Drought

Source: [USDM](https://www.usdm.gov/)



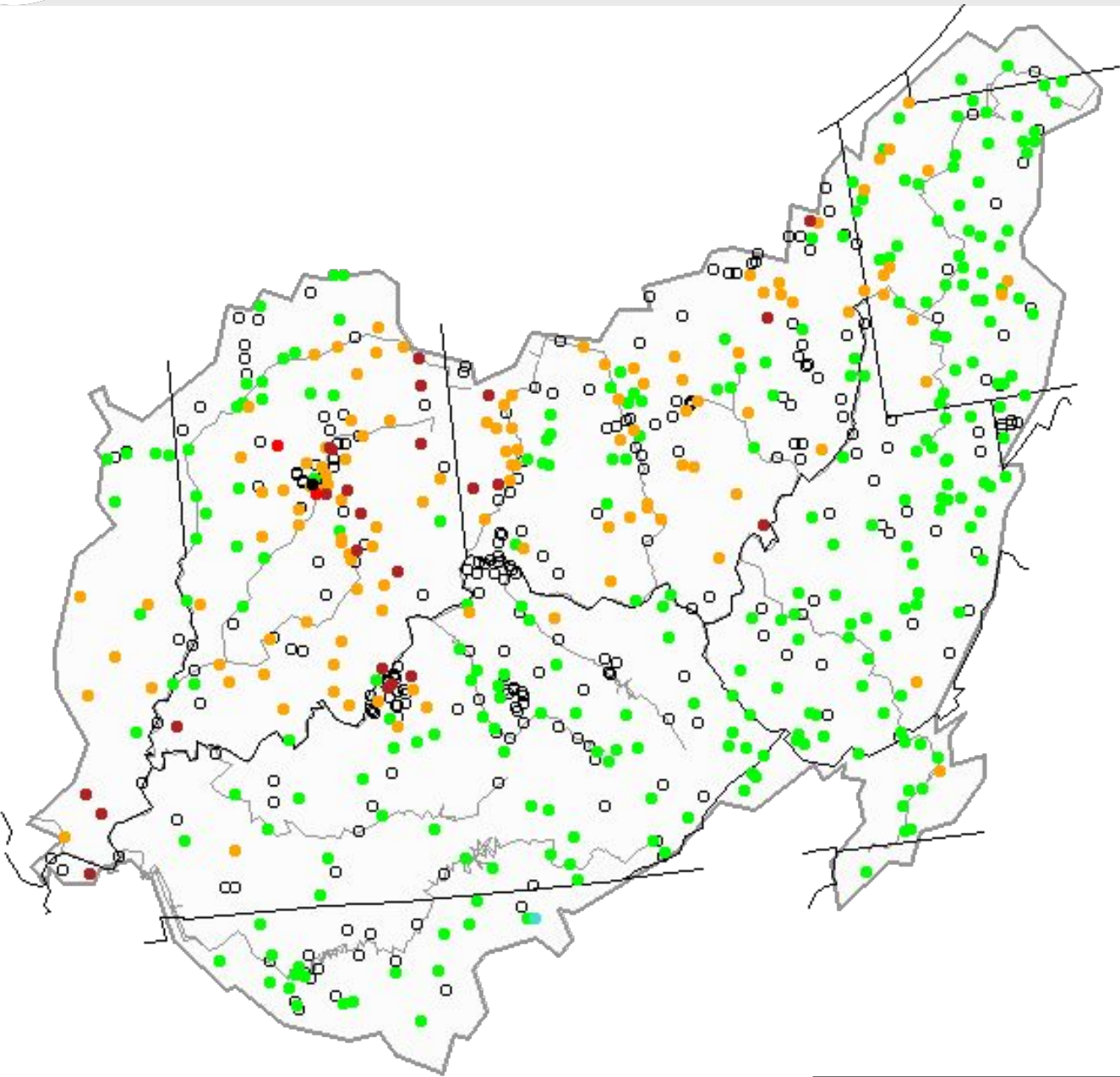
National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
Louisville, KY



Monthly Streamflow Anomalies for the Ohio Valley

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Any river flooding, Any interesting statistics?

Source: [USGS](#)

| Explanation - Percentile classes | | | | | | | |
|----------------------------------|-------------------|--------------|--------|--------------|-------------------|------|------------|
| | | | | | | | |
| Low | <10 | 10-24 | 25-75 | 76-90 | >90 | High | Not-ranked |
| | Much below normal | Below normal | Normal | Above normal | Much above normal | | |





CPC Seasonal Outlook - Summer 2024

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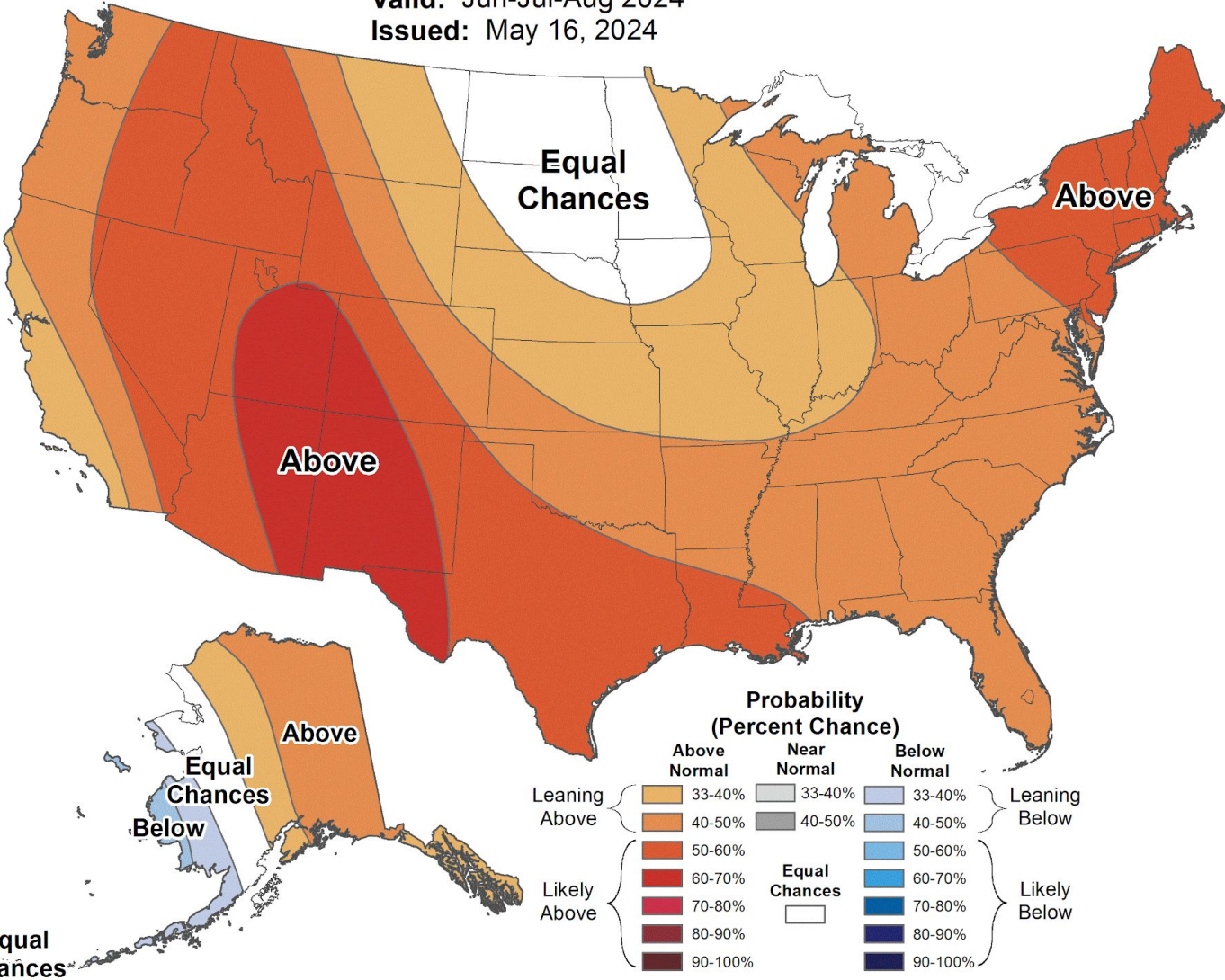
The odds favor warmer than normal temperatures and above normal precipitation



Seasonal Temperature Outlook



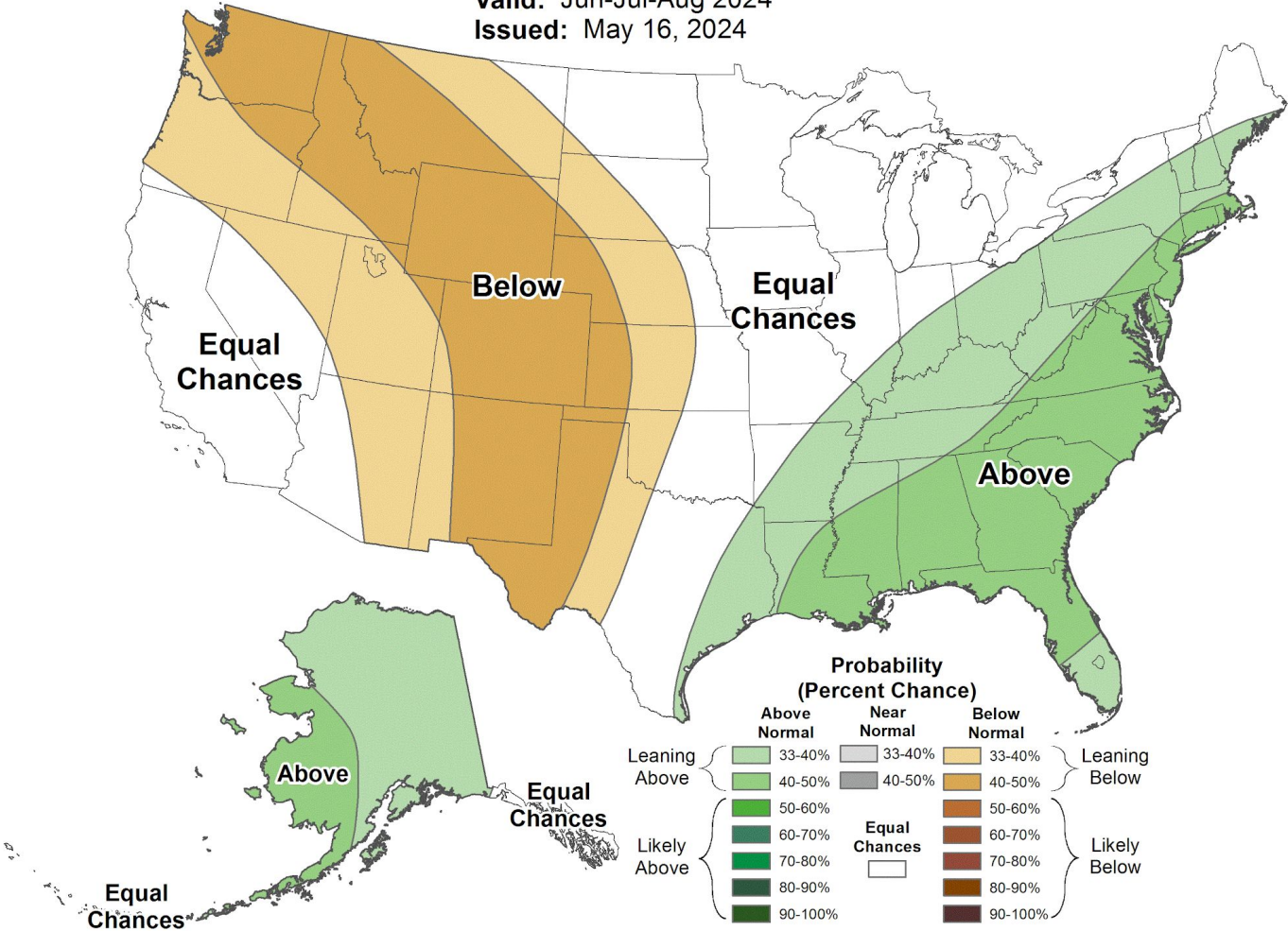
Valid: Jun-Jul-Aug 2024
Issued: May 16, 2024



Seasonal Precipitation Outlook



Valid: Jun-Jul-Aug 2024
Issued: May 16, 2024



Source: [Climate Prediction Center, NOAA](https://climatepredictioncenter.noaa.gov/)

